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In re Application of

Haines et. al.

Application Number

60/069750

Filed

12.16.97

Paper No. 4

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United States Patent Application Publication No. 02/009550, page, 1 line 1

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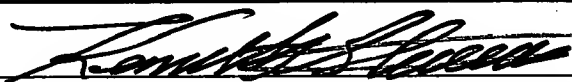
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US 20070009550A1

(19) **United States**(12) **Patent Application Publication****Haines et al.**(10) **Pub. No.: US 2007/0009550 A1**(43) **Pub. Date: Jan. 11, 2007**(54) **POSTWEANING MULTISYSTEMIC
WASTING SYNDROME AND PORCINE
CIRCOVIRUS FROM PIGS**

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Sep. 25, 1998, now Pat. No. 6,391,314, which is a
continuation-in-part of application No. 09/082,558,
filed on May 21, 1998, now Pat. No. 6,368,601.

Continuation-in-part of application No. 09/680,228,
filed on Oct. 6, 2000, now abandoned, which is a
continuation-in-part of application No. 09/583,350,
filed on May 31, 2000, now Pat. No. 6,517,843.

Continuation-in-part of application No. 09/784,962,
filed on Feb. 16, 2001, now Pat. No. 6,953,581, which
is a division of application No. 09/347,594, filed on
Jul. 1, 1999, now Pat. No. 6,217,883.

(60) Provisional application No. 60/069,750, filed on Dec.
16, 1997. Provisional application No. 60/069,233,
filed on Dec. 11, 1997. Provisional application No.
60/151,564, filed on Aug. 31, 1999.

(30) **Foreign Application Priority Data**

Oct. 3, 1997	(FR)	97/12382
Jan. 22, 1998	(FR)	98/00873
Mar. 20, 1998	(FR)	98/03707
Jul. 6, 1998	(FR)	98/08777

(21) Appl. No.: **11/522,237**(22) Filed: **Sep. 15, 2006****Related U.S. Application Data**

(60) Division of application No. 10/653,849, filed on Sep.
2, 2003, which is a continuation-in-part of application
No. 10/334,245, filed on Dec. 31, 2002, which is a
continuation of application No. 09/935,428, filed on
Aug. 20, 2001, now abandoned, which is a continu-
ation of application No. 09/209,961, filed on Dec. 10,
1998, now abandoned.

Continuation-in-part of application No. 09/884,514,
filed on Jun. 19, 2001, now Pat. No. 6,660,272, which
is a division of application No. 09/161,092, filed on

Publication Classification

(51) **Int. Cl.**
A61K 39/395 (2006.01)
A61K 39/12 (2006.01)
(52) **U.S. Cl.** 424/204.1; 424/130.1

(57) **ABSTRACT**

The cloning of a novel PCV11 viral genome is described as
is expression of proteins derived from the PCV11 genome.
These proteins can be used in vaccine compositions for the
prevention and treatment of PCV11 infections, as well as in
diagnostic methods for determining the presence of PCV11
infections in a vertebrate subject. Polynucleotides derived
from the viral genome can be used as diagnostic primers and
probes.

